**Rock Unit**

**Tasks that should be completed in the rock unit:**

1. Read the powerpoint on minerals which will be posted on the subbie wiki
2. Read the sections on igneous, sedimentary and metamorphic rocks: <https://ebook.iat.com> username: Odessa and Password: Earth
3. Watch the videos listed below or find other sources of your own on the rock cycle
4. Chose the rock type on which you would like to present from the list below.
5. Create and give a presentation on your rock type that includes the items listed below. Your classmates will be using this information, so do a good job!
6. Create a “rock” that looks like your rock type. Please identify your name and section on the rock. Do not identify the rock type! Hide your rock somewhere in Uni that is easily student accessible that represents where your rock would actually be found. Turn in the location of your rock with an explanation of how this location applies.
7. Your final assessment for the unit will be a scavenger hunt for the student made minerals. Turn in a list of the locations of the minerals that you found.
8. Then, chose 5 rocks which you will identify, write about how you identified it and how you think the location in which you found it is connected to its actual location on earth.

**Things to discuss in your mineral presentation:**

1. Does it have crystals present? If so, what shape?
2. What types of mineral(s) does it contain?
3. How porous is it?
4. Elements or compounds present
5. Igneous, metamorphic, sedimentary
6. If applicable, intrusive or extrusive rock?
7. Ways that your mineral could be identified. Provide examples of distinguishing “tests.”
8. What is this rock’s place in the rock cycle? How might it have changed or be changed
9. Where it is found on earth? What is this rock’s distribution?
10. What are the uses that have been applied to this rock?
11. Special fun fact about your rock

**Minerals that you may choose from:**

1. Shale 2. Marble 3. Quartzite 4. Granite 5. Calcite

6. Andesite 7. Flint rhyolite 8. Obsidian 9. Clay 10. Gabbro

11. Sandstone 12. Chalk 13. Limestone 14. Basalt 15. Coal

16. Quartz 17. Gneiss 18. Mica 19. Feldspar 20. Gypsum

21. Schist 22. Halite **There is more on the back**

**Websites that may help you:**

* Teded talk on rock cycle: <https://ed.ted.com/on/wzCqg4Eo>
* <http://www.rocksandminerals4u.com/what_is_a_rock.html> childish simplistic view of the rock cycle
* <https://www.youtube.com/watch?v=BsIHV__voMk-> Bill Nye the Science Guy rocks
* <https://www.youtube.com/watch?v=EGK1KkLjdQY> discussion of the rock cycle and intrusive vs. extrusive rocks
* Rock key that talks about how to identify various rocks as well as a lot of other information on rocks: http://www.minsocam.org/msa/collectors\_corner/id/rock\_key.htm#Using Key